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United States Government **Department of Energy**

Bonneville Power Administration

memorandum

DATE: February 22, 2005

REPLY TO ATTN OF: KEP-4

SUBJECT: Supplement Analysis for the Transmission System Vegetation Management Program FEIS (DOE/EIS-0285/SA-243) Pearl Substation Project #: **V-E-05/06**

TO: Kathy Stephenson
Forester – TRV-TPP-4

Proposed Action: Bonneville Power Administration proposes removing designated danger trees along the western property line for the Pearl Substation. The property line is adjacent to the Interstate Trucking Company facility.

Location: The proposed project is located in Clackamas County, Oregon in the BPA Eugene Region.

Proposed by: Bonneville Power Administration (BPA).

Description of the Proposal: Remove danger trees along the western property line that have the potential of falling onto Interstate Trucking Company's equipment. These specific danger trees are known to have root rot.

Specifically, this vegetation management project will involve the following action:

- Selective cutting of danger trees.

Analysis: A Vegetation Management Checklist was completed for Pearl Substation (and associated property) in 2001 in accordance with the requirements identified in the Bonneville Power Administration's Transmission System Vegetation Management Program FEIS (DOE/EIS-0285).

Section 3 of the checklist identifies the natural resources present in the vicinity of the substation. The following summarizes natural resources present only in the project area along with applicable mitigation measures.

Water Resources: There are no waterbodies (streams, rivers, lakes, wetlands) within the project area.

No drinking water, irrigation wells, or water supplies were identified in the project area.

Threatened and Endangered Species: Pursuant to its obligations under the Endangered Species Act, BPA has made a determination of whether the proposed project will have an effect on any listed species. There are no listed species in the vicinity of the project and therefore there will be no effect for listed species.

Essential Fish Habitat: A review of NOAA database identified no Essential Fish Habitat (EFH) streams present in the project area. A determination was made that this project will not adversely affect essential fish habitat.

Cultural Resources: No cultural resources are known to be in the project area. If a site is discovered during the course of vegetation control, work will be stopped in the vicinity and the BPA Environmental Specialist, and the BPA archeologist will be contacted.

Monitoring: The project will be inspected during the work period.

Findings: This Supplement Analysis finds that (1) the proposed actions are substantially consistent with the Transmission System Vegetation Management Program FEIS (DOE/EIS-0285) and ROD, and; (2) there are no new circumstances or information relevant to environmental concerns and bearing on the proposed actions or their impacts. This Supplement Analysis also finds the proposed actions will not affect threatened or endangered species. Therefore, no further NEPA documentation is required.

/s/ Shawn L. Barndt
Shawn L. Barndt
Environmental Scientist

CONCUR: */s/ Thomas C. McKinney* DATE: 2/23/2005
Thomas C. McKinney
NEPA Compliance Officer

Attachment:
Pearl Substation 01 Vegetation Management Checklist

cc:
L. Croff – KEC-4
T. McKinney – KEC-4
J. Meyer – KEP-4
B. Sherer – KEP-4
J. Sharpe – KEPR-4
H. Adams – LC-7
J. Hilliard Creecy – T-DITT2
M. Johnson – TF/DOB-1
J. Domschot – TFE/ALVEY
A. Sundberg – TFE/ALVEY
K. Barber – TFEK/CHEMAWA
Environmental File – KEC-4
Official File – KEP (EQ-14)

ELECTRIC YARD AND NON-ELECTRIC FACILITY CHECKLIST.

1. IDENTIFY FACILITY AND THE VEGETATION MANAGEMENT NEED

1.1 Describe facility: (More than one facility may be listed and analyzed.)

Substation/Facility Name	Size of Area to be Treated (Acres or Square Feet)	Nearest 1/4 Section Township/Range or GPS Coordinates	County	State
PEARL	Bareground Acres: 23.00 Fenced Acreage 13.8 Site Acreage 49.1	S11, T3S, R1W, WM	Clackamas	OR

1.2 Describe vegetation needing management.

~ Substation (Total vegetation management needs no further description.)
Non-Electrical Facility (Describe all landscaping vegetation management.)
~ Ornamental Shrubs requiring weed control in bark mulch or gravel ground control
~ Field grass or other low growing cover crop, mostly mechanical control, spot herbicide treatment for some broad leaf and noxious weed control.
Landscaped lawn requiring fertilizer, mowing, and broadleaf control.
~ Area not being maintained, other than mechanical control of unwanted/danger trees, grasses, and shrubs

2. IDENTIFY SURROUNDING LAND USE AND LANDOWNERS/MANAGERS

2.1 List the types of landowners and land uses around your facility.

N- Right of Way; s- Industrial Houston Inc.; E- Industrial, Intercom packing and Willsonville self storage; W- Right of Way, and Industrial, Tyco Systems.

Notifications-Houston Inc. to the South has a child day care facility with outside playground located approximately 100 feet from the substation fence.

Notification: None

2.2 Determine if there is a need to notify surrounding landowners of vegetation management activities. If so, why and how?

If notification is required it will be listed next to each landowner up above in section 2.1.

2.3 List any specific measures to be taken based on surrounding landowners/use. None required.

None Required

3. IDENTIFY NATURAL RESOURCES

See Attachment A for a detailed Vegetation Managment Plan for the facility. See Attachment B, for supplemental information on
Natural Resources and the assessment of these resources. See Attachment C for an aerial photograph of the area. See " Attachment D for a topographic map of the area.

3.1 List any water resources (streams, rivers, lakes, wetlands, wells, springs, etc.) near the facility. Does the facility drainage have a direct path to the water body?

Below is a list of surrounding water resources. The water resources shall be protected by the use of BMPs listed in the contract
(Attachment E) and buffers klentified in Section 3.2

Name	Type	Distance
INTERMITTENT STREAM	STREAM	SE-65'
WILLAMETTE RIVER	RIVER	S-2.2 MILES
SEELY DITCH	DITCH	SW-4, 5OO’

Well Number	Depth of Well (ft:)	Static Water Depth	Remarks
1			LOG NOT IN OUR FILE

3.2 Describe the buffers that will be applied, as appropriate. What measures will you take to limit potential impacts to water resources.

No bare ground buffers necessary. The well is caped and in good condition and poses no risk of being contaminated by surface herbicide Application. Surface drainage goes to intermittent ditch located 65 feet to the SW.

See Attachment A for a detailed Vegetation Management Plan for the site.

3.3 Threatened and Endangered Plant or Animal Species

Are there any T&E species in the area that could be affected? List if necessary.

No, see measures below.

What measures will you take to limit potential impacts to each T&E species? As appropriate, list any buffers that will be applied

None will be impacted. Vegetation shall be managed in a manner consistent with the VEG EIS, such that no impact

3.4 Steep Slopes/ Unstable Slopes (Soils)

Will herbicide treatment be occurring on any steep slopes?
As appropriate, list any buffers, reseeding and/or ground disturbing restrictions that will be applied. If so applicator will observe all BMPs identified in the VEG EIS and buffers on attached drawing. 3.5 Attach drawing showing location of all required buffers.

4. DETERMINE VEGETATION CONTROL METHODS

4.1 Describe overall vegetation management scheme and schedule:

Bareground managed areas will primarily use herbicides with supplemental usage of mechanical methods. Other areas will be managed as
described in section 1.2. Only herbicides from BPA's approved herbicide list will be used. All areas will be managed consistently with the Vegetation EIS.

Initial:

BPA has a routine program for managing bareground areas. Areas are sprayed annually by a licensed contractor. BPA's contract contains specific language to ensure herbicides applications are applied consistent with the VEG EIS. Other areas are maintained by mechanical mowing, chopping, spot spraying, burning, roller choppers, blading, or fellerruncher machines.

Subsequent:

Herbicides will be applied on an annual or on an as needed basis. Active ingredients shall be rotated to ensure plants do not build a tolerance. Mechanical methods shall be performed on an as needed basis. Ornamentals and lawns my be maintained via contractor or performed by BPA employees.

Future:

Future control will be consistent with the methods described

5. DETERMINE DEBRIS DISPOSAL AND REVEGETATION

5.1 Describe debris disposal and revegetation , if any.

There will be no debris disposal and revegetion with bareground management. For other areas green debris will be recycled on-site to the extent practical

6. DETERMINE MONITORING NEEDS

6.1 Describe evaluation of BPA/contractor treatment practices to ensure vegetation management measures are working.

Monitoring will occur through herbicide contract management and the observations of BPA Personnel during on site visits.

6.2 Is there a need to monitor adjacent areas for potential herbicide movement/contamination? If so, describe monitoring plan. (Unless monitoring for other reasons, this section should be consistent with BPA-systemwide herbicide monitoring plan not yet finalized.)

Describe debris disposal and revegetation , if any.
There will be no debris disposal and revegetion with bareground management. For other areas green debris will be recycled on-site to the extent practical.

7. PREPARE APPROPRIATE ENVIRONMENTAL DOCUMENTATION

7.1 Describe any potential project impacts or project work that are different than those disclosed in the Transmission System Vegetation Management Program EIS. Describe how those differences impact natural resources and if the differences are "substantial".

None

7.2 Is there a need for additional NEPA documentation (i.e. Forest Service requirement, Record of Decision, supplemental EIS)? If so, attach-

None